

What is claimed is:

1. A rotor of an electric rotating machine comprising: a rotor coil for generating a magnetic flux by applying a current; and a pole core comprised of a first pole core body and a second pole core body that are disposed so as to cover the rotor coil, each being provided with claw-shaped claw magnetic poles engaging with each other;

wherein a magnet assembly composed of a magnet for reducing leakage of magnetic flux and a magnet-holding member for supporting said magnet on said claw magnetic poles are arranged on said claw magnetic poles so that center of gravity of said magnet assembly is located on the base part side nearer than the center of said claw magnetic poles.

2. A rotor of an electric rotating machine comprising: a rotor coil for generating a magnetic flux by applying a current; and a pole core comprised of a first pole core body and a second pole core body that are disposed so as to cover the rotor coil, each being provided with claw-shaped claw magnetic poles engaging with each other;

wherein a magnet assembly composed of a magnet for reducing leakage of magnetic flux and a magnet-holding member for supporting said magnet on said claw magnetic poles are arranged only on the base part side of said claw magnetic poles.

3. The rotor of an electric rotating machine according to claim 1, wherein said magnet assembly extends to the base parts of said claw magnetic poles.

4. The rotor of an electric rotating machine according to claim 2, wherein said magnet assembly extends to the base parts of said claw poles.

5. The rotor of an electric rotating machine according to claim

1, wherein said magnet-holding member extends to backside of the pole and is fitted to said claw magnetic poles.

6. The rotor of an electric rotating machine according to claim 2, wherein said magnet-holding member extends to backside of the pole and is fitted to said claw magnetic poles.

7. The rotor of an electric rotating machine according to claim 1, wherein said magnet-holding member extends to backside of the pole and is fitted to said claw magnetic poles, and said magnet-holding members are joined together on said backside of the pole.

8. The rotor of an electric rotating machine according to claim 2, wherein said magnet-holding member extends to backside of the pole and is fitted to said claw magnetic poles, and said magnet-holding members are joined together on said backside of the pole.

9. The rotor of an electric rotating machine according to claim 1, wherein a magnet for reducing leakage of magnetic flux is arranged on the reverse side of said claw magnetic poles.

10. The rotor of an electric rotating machine according to claim 2, wherein a magnet for reducing leakage of magnetic flux is arranged on the reverse side of said claw magnetic poles.